

Appointment

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Sent: 1/27/2019 11:39:00 PM
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CC: Moffat, Ivy (HC/SC) [ivy.moffat@canada.ca]
Subject: Canceled: APCRA teleconference
Attachments: ECCC APCRA Case Study Proposal (eco-BER).docx; 18.11.08-APCRA proposal-PFAS.DOCX; APCRA Case Study Proposal - EcoNAM Grouping.docx; APCRA New Case Study Proposal - Health Canada Zebrafish StudyRevised Sept. 5.docx
Location: Skype Meeting
Start: 1/29/2019 1:00:00 PM
End: 1/29/2019 2:30:00 PM
Show Time As: Free
Importance: High

Agenda to follow.

Dear all,

Please find attached the four new case study proposals submitted before and since the APCRA-3 meeting in Ottawa.

- Please review and share any comments with the case study leads, and reach out to the leads if you have an interest in collaborating on these case studies.
- For case study leads, please prepare any updates if needed to be shared in advance of our next teleconference on January 29th (invitation to follow). We will include time for allow time for any questions on the case studies, and give an opportunity for any new collaborators to be announced.
- We have also confirmed dates for the APCRA-4 face-to-face meeting to be hosted by the US EPA on October 8 – 10, 2019. We expect the first day will be a half-day meeting for the case study groups to meet and discuss their case study activities prior to the 2-day face-to-face meeting. Please add these dates to your calendar.
- We are also sharing information below from our colleague Mark Bonnell about a SETAC Session on NAMs. Please see details below, or reach out to Mark directly.
- These and other materials can all be found at: <https://drive.google.com/open?id=1-2QF6v4Gqx9iVrN8tLCsYAoAwdqd8o0u>. As a reminder, please do not share materials broadly without permission from the authors.
- Our next teleconference will be held on January 29th. I will be sending the invitation shortly, with details to follow. We will plan to discuss the new case study proposals, status of the existing case studies and follow-up on other action items from the Ottawa meeting.

Thank you everyone. Enjoy the holiday season and we will connect in the new year.

Maureen

SETAC Session on NAMs:

Dear colleagues,

- Please find below, on behalf of Mark Bonnell from Environment and Climate Change Canada, a description of a SETAC 2019 session that you might consider to submit an abstract for (<https://helsinki.setac.org/>). Please contact Mark if you have any questions <mark.bonnell@canada.ca>.

Approaches and criteria for identifying chemicals of greatest concern – Current and novel risk-based methods for legacy chemicals to emerging contaminants (Co-chairs: Paul C. DeLeo, Bruno Hubesch, Mark A. Bonnell, Todd Gouin)

Over the past six decades, there has been recognition and concern for those chemicals with the greatest potential for widespread environmental impacts by virtue of their toxicity, persistence in the environment, ability to biomagnify up food chains, and to be transported around the globe. International agreements have sought to identify and control these highly hazardous chemicals. For example, the U.S.-Canadian Great Lakes Water Quality Agreement of 1978 sought the virtual elimination of persistent toxic substances. The Stockholm Convention on Persistent Organic Pollutants (2001) seeks to protect human health and the environment from chemicals that remain intact in the environment for long periods (persistent), become widely distributed geographically (long range transport),

accumulate in the fatty tissue of humans and wildlife (bioaccumulative), and have harmful impacts on human health or on the environment (toxic). In Europe, the REACH regulations (2006) on chemical management seek the substitution of persistent, bioaccumulative and toxic (PBT) substances and very persistent-very bioaccumulative (vPvB) substances where suitable technically and economically viable alternatives are available. However, there is limited measured eco/toxicological and environmental fate information available which may be used to characterize most chemicals in commerce and a heavy reliance on quantitative structure property/activity relationships (QSP/ARs) to predict chemical fate and transport, bioaccumulation and ecotoxicity. There have been criticisms that hazardous chemicals are being detected in the environment as new emerging contaminants and that adequate mechanisms do not exist to properly characterize chemicals before they are widely used in commerce often because of data limitations. Equally, there are criticisms of false positives due to limitations of assessment criteria which results in overly cautious characterization or restriction. Consequently, in recent years questions have been asked about the ability and appropriateness of assessment criteria to identify and prioritize chemicals of concern. There is also a global discussion started as to whether highly hazardous chemicals can be safely used at all in commerce in ways that avoid environmental impacts. The present session is intended as a reflection on progress in the field since SETAC Pellston Workshops on related topics in 1998 and 2008. We therefore invite speakers working on new approach methodologies (NAM) or novel screening criteria that might be used for the identification and prioritization of chemicals of the highest ecological concern. The session would particularly benefit from risk-based approaches to prioritization, that is, those that include considerations of use pattern, use volume and potential exposure to the subject chemical. Additionally, we invite speakers investigating methods for characterizing the uncertainty in chemical prioritization approaches or criteria as a means to understand the impact of false positive and false negative outcomes while aiming for balanced accuracy.

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Subject: REMINDER: Follow-up to APCRA-3

Dear all,

I just wanted to send a quick reminder about the APCRA follow-up action items, and some further follow-up information.

First, the Univ of Birmingham file discussed at the meeting in October will be posted to the share drive soon. There is one final copyright issues to be resolved before it can be shared publicly, but that is expected to be addressed by next week.

I am also sharing with you the two new case studies presented at the workshop (eco-BER, zebrafish) as well as a new case study proposal (PFAS) submitted earlier this month. Please review and reach out to the points of contact if you would like to learn more and/or collaborate on these case studies.

I will also be sending up a teleconference invitation for sometime in January. Please expect to see that sometime in early December.

Previous action items are listed below.

Thank you all,

Maureen

ACTION ITEM: If you are interested in collaborating on the two new case studies that were proposed at the meeting, please contact the case study leads listed on the proposals by 11/23/18.

ACTION ITEM: Complete proposal for new case study using the attached template by November 30, 2018. If you would like to propose a case study not listed here, you are encouraged to do so

New case study topics discussed at the meeting (other topics are welcome):

ecoNAM case study – ECHA, Univ of Birmingham

Eco exposure case study - EPA

PFAS – Health Canada

Genotoxicity – EPA, Health Canada

Cross-species extrapolation – EPA

Mixtures - RIVM

Crosswalk between in vitro thyroid and apical endpoints – Health Canada

Maureen Gwinn

ORD/EPA

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From: Gwinn, Maureen

Sent: Friday, November 02, 2018 3:35 PM

Subject: Follow-up to APCRA-3

Dear all,

Thank you to all who were able to attend the third annual Accelerating the Pace of Chemical Risk Assessment (APCRA-3), and special thanks to all of those who participated as presenters and facilitators. Thank you again to Health Canada for hosting us at the Shaw Centre, and for giving us at least one sunny day! We have received positive feedback about the public webinar we held at the beginning of the meeting, which had over 120 attendees ranging from academia, international and state governments, industry and non-governmental organizations. There was also a request during the

meeting to share the registrations from the webinar. Unfortunately, due to the conditions of the registration, we are unable to share that information.

We followed the open session with a brief update on a current case study, followed by the introduction of the two new case study proposals. Both case studies can be found at the shared link, and we would ask for anyone interested in collaborating on either of these case studies to reach out to the case study lead listed on the proposal (**ACTION ITEM: If you are interested in collaborating on the two new case studies that were proposed at the meeting, please contact the case study leads listed on the proposals by 11/23/18**).

Discussions at the meeting ranged from establishing confidence in the use of new approach methodologies (NAMs) for risk assessment, to development and use of eco-NAMs, to future directions of APCRA. As with last year, we will not be providing a workshop report but will draft a commentary on the key points from the meeting for publication and will share that with the group.

We closed out the meeting with a discussion of the strategic direction of APCRA's path forward, including the discussion of topics for future case studies. It was largely agreed that APCRA serves as a good venue for government-to-government collaborative efforts to discuss development and implementation of NAMs for regulatory decision-making, and could serve as an 'incubator' for the development of these NAMs prior to submission to other organizations, including OECD. The criteria discussed for new APCRA case studies are that they are an international collaboration on NAMs with a clear regulatory application. Specific topics and leads for new case studies were discussed, and are listed below. New case study proposals are expected to be shared with the full group for review and discussion by **November 30, 2018 (ACTION ITEM: Complete proposal for new case study using the attached template. If you would like to propose a case study not listed here, you are encouraged to do so)**. While there was also discussion that moving forward we need to increase our outreach and communication of APCRA activities, the exact mechanism of how this would be addressed was not determined. We will be reaching out in the future with a request for interested parties to form a communication and outreach workgroup to help address this issue.

New case study topics discussed at the meeting (other topics are welcome):

- ecoNAM case study – ECHA, Univ of Birmingham
- Eco exposure case study - EPA
- PFAS – Health Canada
- Genotoxicity – EPA, Health Canada
- Cross-species extrapolation – EPA
- Mixtures - RIVM
- Crosswalk between in vitro thyroid and apical endpoints – Health Canada

We will be setting up a teleconference for some time in January to discuss the new case study proposals and other activities.

Meeting materials can all be found at the link: <https://drive.google.com/open?id=1-2QF6v4Ggx9iVrN8tLCsYAoAwdqd8o0u>. As a reminder, please do not share materials broadly without permission from the authors.

Thank you everyone,

Maureen

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